

L 31769-68
ACCESSION NR: AP4046797

The latter are soldered to a glass cylinder 3 which is directly connected to the gas-receiving apparatus. The glass cylinder 3 is part of an electrolyzer of ordinary, heavy or tritiated water. The stop cocks 4 make it possible to clean and evacuate the nickel tube. Electric current is supplied through the clamps 6. For the current source a transformer with an output of a few volts and supplying at least 20 amperes, or a suitable accumulator, can be used. The electrolyzer has nickel or platinum electrodes. The heavy water contains a suitable amount of potassium. In order to increase the purity of the deuterium delivered, the electrolyzer can be cooled to 4°C. The dependence of the amount of hydrogen produced by the filter on the current intensity flowing in the nickel tube (for a pressure difference of 1 atm.) was obtained and is shown in Fig. 2 of the Enclosure. The temperature of the tube was measured by its glow. The result obtained is in good agreement with other published data. "The nickel filter and the titanium container for H, D and T were designed by the Instytut Techniki Jadrowej (Institute of Nuclear Technology) and fabricated by the Przemyslowy Instytut Elektroniki (Industrial Institute of Electronics) in Wrocław, for which we thank Eng. W. Czarczynski." Orig. art. has: 3 figures and 1 formula.

ACKNOWLEDGMENT: Instytut Techniki Jadrowej AN (Nuclear technology institute, AGH)

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ENCLOSURE: 01

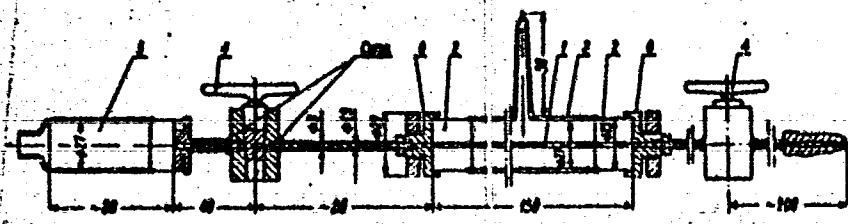


Fig. 1. Nickel filter.

Cont. 3/4

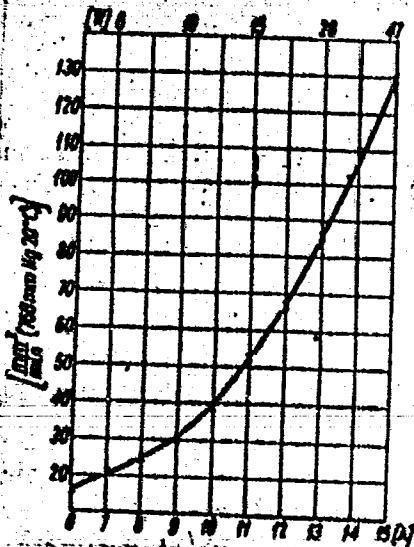
L 31769-65

ACCESSION NR: AP4046797

Fig. 2. Dependence of the transmitted hydrogen or current density in the nickel tube; a temperature of about 600°C was measured for the point corresponding to 15 amperes.

Card 4/4

ENCLOSURE: 02 0



OSTROWSKI, Kazimierz W.

Sources of operation instability of G-I" window counters.
Nukleonika 8 no.7:501-506 '63.

1. Akademia Gorniczo-Hutnicza oraz Instytut Techniki Jadrowej,
Krakow.

OSTROWSKI, Kazimierz; SENIOW, Stefania

Glycoprotein fractions studies by electrophoresis in the vascular complications of diabetes. Pol. arch. med. wewn. 33 no.1:33-37 '62.

1. z III Kliniki Chorob Wewnetrznych AM w Warszawie Kierownik: prof.
dr med. E. Kodejszko.

(GLYCOPROTEINS) (BLOOD PROTEIN ELECTROPHORESIS)
(DIABETIC ANGIOPATHIES) (DIABETES MELLITUS) (BLOOD CHEMICAL ANALYSIS)

OSTROWSKI, K., prof.; CĘRSKI, P.; MOSKALEWSKI, S.; ZAKIEWICZ, M.

Quanptitative investigations on myelopoiesis in induced bone in dogs.
Folia morphol 21 no.4:523-530 '62.

1. Institute of Histology and Embryology, Medical School, Warsaw,
Head: Associate Prof. K. Ostrowski, and Institute of Experimental
Surgery, Polish Academy of Sciences, Warsaw, Head: Prof. J.
Nielubowicz.

*

OSTROWSKI, K., doc. dr med.; KOMENDER, J.; KWARECKI, K.

Quantitative research on the solubility of proteins extracted
from tissues fixed by different chemical and physical methods.
Folia morphol 21 no.3:393-398 '62.

1. Zaklad Histologii i Embrologii, Akademia Medyczna, Warszawa.
Kierownik; doc. dr K. Ostrowski

ORTCZAKI, Muziniers

Studies on regeneration during the years 1953-1958,
in the Histology and Embryology Institute of the School
of Medicine in Warsaw. Zeszyt prok. nauki pol. no. 18:37-52 pt.2
'59.

OSTROWSKI, Kazimierz, doc. dr.

Lysozomes; the newly discovered cellular organ. Problem 13
no.7:480-484 '62.

1. Kierownik Katedry i Zakladu Histologii i Embriologii, Akademia
Medyczna, Warszawa.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238520007-3

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238520007-3"

OSTROWSKI, Krzysztof

The combined bevel protractor; type KN-4. Mechanik 35 no.7:
413 J1 '62.

OSTROWSKI, Kazimierz (Warszawa)

Measurements of quantitative interference in cytology. Folia Morphologica
12 no. 2/3:189-196 '61.

SENIOW, Stefania; OSTROWSKI, Kazimierz

Disorders of protein and fat metabolism during the course of vascular complications of diabetes (diabetic angiopathy). Polskie Arch. Med. Wewn. 31 no.12:1607-1616 '61.

l. Z III Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: pr. dr med. E.Kodejszko.

(DIABETES MELLITUS compl) (CARDIOVASCULAR DISEASES etiol)
(BLOOD PROTEINS) (LIPIDS blood)

OSTROWSKI, K.; KOZIENSKI, J.; KOSCIALEK, Hanna; KWASICKI, K.

Elution of some substances from the tissues fixed by the "freeze-substitution" method. Acta biochim. polon. 9 no.2:125-131 '62.

1. Department of Histology and Embryology, Medical School, Warsaw
(HISTOLOGICAL TECHNIQUES) (LIVER chem)
(PHOSPHORUS chem) (NITROGEN N_7 chem)

OSTROWSKI, Kazimierz, doc. dr. med.; MOSKLEWSKI, Stanislaw; ZAMKIEWICZ, Stefan

Attempts of finding the factor responsible for the osteogenesis induced by the transitional epithelium; a preliminary note. Polia Biopark 1961, 12 no. 4:249-256 '61.

1. Zaklad Histologii i Embriologii, Akademia Medyczna, Warszawa. Kierownik Zakladu: doc. dr. med. K. Ostrowski i Zaklad Chirurgii Operacyjnej, Polska Akademia Nauk, Warszawa. Kierownik Zakladu: doc. dr. med. J. Nielubowicz.

OSTROWSKI, K.

The 1st Congress of European Anatomists, in Strasbourg, France.
Folia morphologica, vol: 1-11.

S 263 62 000 007 001 014
007 1207

AUTHOR Ostrowski, Krzysztof

TITLE Device for measuring the rake angle of reamers and tapers

PERIODICAL Referativnyy zhurnal, otdel'nyy vypusk Ismeritel'naya tekhnika, no. 7, 1962. 8, abstract 32 7 58. "Mechanik", v. 34, no. 4, 1961, 201. (Polish)

TEXT: A device, built on the principle of the Martynov-type self-adjusting indicator, is described. The cross slide mounted between the centers for fastening the reamer or tap, carries on its axis parallel with the center line, a small oscillating (swinging) plate provided with a pointer that glides on a scale fixed on the cross slide. The tailstock and cross slide can be shifted along the longitudinal plunger rod. Measurements are carried out in the following manner: after fastening the reamer or tap between the centers, the oscillating plate is fed beneath the cutting edge of the flute, and the latter is pressed onto the plate. Under the effect of pressure the oscillating plate, together with its pointer, rotates about its axis at an angle corresponding to the rake angle of the flute, while the pointer indicates on the scale the measured value of the angle.

[Abstracter's note Complete translation]

Card 1/1

OSTROWSKI, K.; KOMENDER, J.; KWARECKI, K.

Quantitative investigations on the solubility of proteins extracted
from tissues fixed with various chemical and physical methods.
Acta biochim. polon. 8 no.1:83-87 '61.

1. Department of Histology and Embriology, School of Medicine,
Warsaw.

(PROTEINS chem)

BICZ,W.; CZEKALINSKI, L.; OSTROWSKI, K.

An ultramicrocolorimeter based on the Zeiss (Schnellphotometer II)
or the Russian (MF-2) microphotometer model. Bul Ac Pol biol 7
no.12:495-499 '59. (EEAI 9:12)

1. Laboratory of Experimental Pathology, Polish Academy of Sciences.
Presented by L.Paszkielwicz.

(RUSSIA--MICROPHOTOMETER)
(GERMANY--MICROPHOTOMETER)
(COLORIMETERS)

OSTROWSKI, K.; MOSKALEWSKI, S.

On osteogenetic properties of urinary bladder mucosa cultured in vitro. Bul Ac Pol biol 7 no.12:513-516 '59. (EEAI 9:12)

1. Laboratory of Experimental Pathology, Polish Academy of Sciences and Laboratory of Histology and Embryology, School of Medicine, Warsaw. Presented by L.Paszkiewicz.
(BLADDER) (MUCOUS MEMBRANE)

OSTROWSKI, K.; CZEKALINSKI, L.; KOMENDER, J.

An improved model of lyophilization apparatus for histological purposes. Bul Ac Pol biol 8 no.1:35-39 '60. (EEAI 10:1)

1. Institute of Experimental Pathology, Polish Academy of Sciences and Department of Histology and Embryology, School of Medicine, Warsaw. Presented by L.Paszkiewicz.
(HISTOLOGY) (DRYING)

OSTROWSKI, Kazimierz

Histochemical electronography - a new cytological method. Postepy
biochem 6 no.3:267-285 '60.
(HISTOLOGICAL TECHNIQUES)
(MICROSCOPY ELECTRON)

KODEJSZKO, Eugeniusz; OKNINSKI, Wladyslaw; OSTROWSKI, Kasimierz

Corticosteroids and insulin-resistance. Polskie arch.med.wewn.
30 no.6:834-839 '60.

1. z III Kliniki Chorob Wewnętrznych A.M. w W-wie Kierownik:
prof. dr med. E.Kodejszko
(ADRENAL CORTEX HORMONES ther)
(INSULIN ther)

EXCERPTA MEDICA Dec 18 Vol 11/2 Cardiology, Phys. Ther.

469. Changes in the ballistocardiographic curve after effort in patients with relative circulatory insufficiency Zachowanie sie krzywej ballistocardiograficznej po wysiłku u chorych ze względna mewydolnością krążenia OSIROWSKI J. and SKRZYŚCIAK M. III. Klin. Chor. Wewn. A.M., Warszawa Pol. Tymek Wied. '67, 14, 669-670, 669 Graphs 7

The influence of effort on the ballistocardiogram in 22 patients with early stages of circulatory insufficiency and in 32 cardiac patients without circulatory insufficiency was investigated. 20 young healthy persons were used as control group. Investigations were made according to Dock's ballistocardiography method or Kodejszko and Czernik modification. In the majority of healthy persons and in cardiac patients without circulatory insufficiency the increase of amplitude of IJ was found (more pronounced in healthy persons) to be present after effort. In 18 patients with an early stage of circulatory insufficiency a decrease of amplitude IJ (average 36.8%) was noted after effort. Abnormal deformation of initial ballistocardiograms was present in all patients in this group, to a degree much exceeding deformations

in patients with circulatory insufficiency. Under the influence of exercise, the abnormalities of RCG curves were most pronounced in the group with circulatory insufficiency. The ballistocardiographic effort test may, in the authors' opinion, have some value in the detection of relative circulatory insufficiency. (XVIII)

CSIROWSKI, K.

The interference microscopy. p. 13ⁿ.

WSZÄCHSWIAT. (Polskie Towarzystwo Przyrodników im. Kopernika) Warszawa, Poland
no. 5, May, 1959.

Monthly List of East European Accessions (EEAI) LC. Vol. P, No. P, Aug. 1959
Uncl.

WA OSTROWSKI KAZIMIERZ W.

50

Geiger-Müller counters for soft x-rays. Kazimierz W.
Ostrowski (Mining Acad., Krakow, Poland). *Jds Phys
Polon 11, 61-64 (1951); cf. Barere, C.R. 43, 601 (1952)*. - The
efficiency of A-and-ak-filled Geiger-Müller counters de-
pends on the A pressure. A max. efficiency of approx. 60%
was observed at a pressure of 41 cm of Hg. The dead time
of the counter also increased with pressure. J. K. H.

1952

OSTROWSKI, K.

Cwiczenia laboratoryjne z fizyki, Panstwowe Wydawnictwo Naukowe, 1952, s. 93.

Laboratory Exercises in Physics
SO: Technologia Ropy, 1955, Wrocław, Unclassified.

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OSTROWSKI, K.W.

Distr: KE3d

3078

CONSTRUCTION OF METALLIC CHIMER-MUELLER
COUNTEHS: Z. Bula, A. Cies, and K. Ostrowski
(Mining-Metallurgical Acad., Warsaw, Naukowicka 2, No.
8, 021-34 (1957). (In Polish)
5/1961

OSTRONSKI K. W.
POLISH NUCLEAR PHYSICS - INSTITUTE AND INSTITUTE OF MATHEMATICS
OF MEASUREMENT AND RESEARCH.

Abs Jour : Ref Zbir Fizika, Nr 1, 1967 271
Author : Ostronki Kazimierz, W. Tarcz Luszek
Inst : Institute for General Physics, Mathematics and Mathematics of
Technology, Krakow, Poland
Title : Radiation Absorption by Particles in a Geiger-Muller
Counter
Ori. Pub : Acta Phys. Polon., 1968, 1, N. 2-3 97-104
Abstract : A study was made of the ultraviolet radiation in a
Geiger-Muller counter. The measurements were carried
out with two different sensitive counters
with quartz windows facing each other, connected for
shifted coincidence. Two effects of radiation
were observed: 1) More intense (bright radiation)

POLARIZED NEUTRON PHYSICS - Installation and Instructions Method
of Measurement and Research...

Rev. J. Ur : Ref. Zlur Fysika N 1 195 7/1

emitted within a few seconds after ignition which first lasts in order of magnitude less than one ('delayed' radiation), emitted with a delay of about 1 microsecond. The delayed radiation has a continuous spectrum with a maximum at $\lambda = 2.0 \text{ \AA}$. It is interpreted as being caused by recombination of the atomic ions. The delayed radiation depends mainly on the supply voltage of the counter, its intensity can be measured relatively within a voltage interval of 10% at the end of the plateau. The maximum intensity of the delayed radiation under normal filling of the counter with argon-nitrogen mixture occurs approximately at 50 microseconds. The delay corresponds to the maximum intensity of radiation at a higher gas pressure diminishing with diminishing pressure. The origin of the delayed radiation is reconciled with

Car' /3

- 1 -

POLAND Nuclear Physics - Institutions and Instruments. Methods
of Measurement and Research.

Abs Jour : Ref Zhar Fizika, N 1, 1960, 271

The thesis of Weischedl, Grujic (Zarazna Fizika
Fizika 1950, N 1, 1951).

C.R.P. 5/3

L 53613-65 EPF(c)/EPF(n)-2/EPR/EWP(t)/EWP(b)/EWA(h) Pr-4/Ps-4/Peb/Pu-4
IJP(c) ID

ACCESSION NR: AP016334 PO/0046/65/010/001/0067/0068

AUTHOR: Ostrowski, Kazimiers W.; Jelen, Kazimiers

TITLE: Contamination of atmospheric krypton by ^{85}Kr from fission products

SOURCE: Nukleonika, v. 10, no. 1, 1965, 67-68

TOPIC TAGS: krypton, isotope, atmospheric property, nuclear fission, radioactive contamination

ABSTRACT: An investigation on O-M and x-ray counters filled with krypton showed that the krypton was contaminated by ^{85}Kr from fission products in the atmosphere. The beta radioactivity of krypton gas contained in a bottle was also proved. It was concluded that this contamination can be a serious obstacle in the production

33

B

19

~~ABOVE LINE AND VERSO ARE FOR DISCUSSION ON THE ESTIMATION OF THE AMOUNT OF "Kr
IN THE ATMOSPHERE AND FOR OTHER VALUABLE REMARKS." ORIG. ART. HAS 1 FIGURE.~~

ASSOCIATION: Institute of Nuclear Technique, Academy of Mining and Metallurgy,
Krakow.

Card 1/2

L 53613-65

ACCESSION NR: AP5016334

SUBMITTED: 15 APR 64

NO REP NOV: 000

ENOL: 00

OTHER: 002

SUB CODE: NP

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Card 2/2

P/045/60 '019 '007 '004 '11
B022/B070

AUTHOR: Ostrowski, Kazimierz, W.

TITLE: Rectification of a Photoelectric Spectrometer

PERIODICAL: Acta Physica Polonica, 1960, Vol. 19, No. 3, pp. 511 - 527

TEXT: The aim of the author is to derive formulas for the tolerance in disposing the camera with a photoelectric detector in direct spectroscopy. These computations are in line with computations in the case of grating spectrometers (Refs. 5, 8, 13). Other formulas accounting for the curvature of the spectral line set a limit to the admissible height of the exit-slit. A practical rule for the rectification of the spectrometer is also given, the principal feature of which consists in the use of the Hartmann diaphragm. From diffraction of higher order, the effect of neighboring lines on the data recorded is assessed. Computation is adapted to the MCH-22 (ISP-22) spectrograph. It is found that for high luminosity in photoelectric spectrometers, the construction should fulfill somewhat different conditions than those observed in the construction of spectrographs. Since the slit is to comprise the line with excess, it is

Card 1/2

Rectification of a Photoelectric Spectrometer

P/045/60/013/004/004 170
B022/3070

possible partly to renounce conformity in favor of high luminosity. It may be of advantage to use high slits, high 45° prisms (instead of the commonly used 60° prisms) having great focal lengths, and cylindrical lenses. Under these conditions, higher luminosity and a greater radius of curvature can be obtained. The author thanks Professor Doctor L.Jurkiewicz for his critical remarks and valuable discussions. There are 7 figures, 4 tables, and 21 references: 1 Soviet, 12 US, 3 British, 2 German, 1 Swedish, and 1 Polish.

ASSOCIATION: Mining and Foundry Academy, Krakow

Card 2/2

Ostrowski, Kazimierz W.

Efficiency, stability, and characteristics of photosensitive
Geiger-Müller counters, Kazimierz W. Ostrowski (Acad.
Mining and Metallurgy, Krakow, Poland). *Acta Phys.
Polon.* 18, 231-53 (1959) (in English); cf. *C.I.* 53, 3902.

Photosensitive Geiger-Müller counters were investigated
for use as detectors of ultraviolet radiation in direct-reading
spectrometry. The counters were filled with an Ar-alk.
mixt.; the windows were SiO₂ and the cathodes of various
metals. The quantum photoelec. efficiency was detd. as a
function of wave length and time; Pt cathodes gave high
efficiency and good stability. The beginning of the plateau
is farther above the threshold (50-70 v.) for ultraviolet rays
than for γ -rays.

Richard P. Metcalf

3

OSTROWSKI, Leon

Value of pancreas function test. Polski przegl.chir. 27 no.9:
865-870 Sept '55.

1. Z I Oddzialu Chirurgicznego Szpitala Klinicznego
Kierownik: prof. dr J. Zaorski.
(PANCREAS, Physiology
funct. test in various dis.)

OSTROWSKI, Krzysztof

Measuring methods of the rake angle of small taps. Mechanik 35
no.12:686 D '62.

OSTROWSKI, Leon

Nylon sponge in disinfecting surgeon's hands. Pol. przegl. chir.
34 no.8:797-802 '62.

1. Z III Kliniki Chirurgicznej AM w Warszawie Kierownik: prof. dr
J. Raczyński.

(DISINFECTION) (NYLON) (HANDS)

OSTROWSKI, Ludwik

Effect of cysteine and hemolyzed erythrocytes on the properties
of clotted fibrin. Roczn. akad. med. Marchlewski 10:113-135
'64.

I. I. Z Katedry Patologii Ogolnej i Doswiadczeniowej AM w Bialym-
stoku (Kierownik: prof. dr. med. K. Buluk). Submitted November
10, 1964.

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CIA-RDP86-00513R001238520007-3"

OSTROWSKI, Ludwik; KANCKA, Barbara; BROKOWICZ, Jan

Hemorrhagic cyst of the mandible in macrocytic anaemia.
Czas. stomat. 18 no.11:1309-1314 V 1969.

I. w II Kliniki Chirurgicznej AM w Białymostku (Kierownik: prof. dr. T. Jankowski ; z. Kliniki Chorób Zębów AM w Białymostku. Kierownik: zastępca prof. A. Kancko i z. Instytutu Chemii Fizjologicznej AM w Białymostku (Kierownik: doc. dr. S. Niewiarowski).

OSTROWINSKI, R.

Facsimile transmission in meterology.

P. 4 (Gazeta Obserwatora) Vol. 10, No. 7, July 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EIAI) LC. VOL. 7, NO. 1, JAN. 1958

"APPROVED FOR RELEASE: 06/15/2000

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OSTP/NSC

Supplement

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238520007-3"

OSTROWSKI, Roman

Results of experimental works with the ERT-006 reduction
tachymeter. Irzegi geod 36 no. 1: Supplement: Biul inst
geod i kartogr 14 no. 1: 34-36 Ja '64.

OSTROWSKI, Roman, mgr inz.

Problems of stability of triangulation towers. Przegl geod 34
no.11:483-484 N '62.

OSTROWSKI, Roman

Poland

Magister Inżynier

no affiliation given

Warsaw, Przeglad Geodezyjny, No 11, Vol 34, Nov
1962, pp 483-84.

"The Problem of the Stability of Triangulation
Towers".

POLAND

OSTROWSKI, Roman

Steering Theory Laboratory, Automation Institute, Polish Academy
of Sciences (Zaklad Teorii Sterowania Instytut Automatyki PAN)

Warsaw, Archiwum automatyki i telemechaniki, No 2, April-June 1965,
pp 287-298

"Optimal control of operation assemblies (PERT method)."

OSTROWSKI

SAC

4/6

6

Principals of a three-year investment plan for the
electrical industry, (Instytutu Gospodarki Przemysłowej),
22, 13-23 (Sept. 7, 1946) in Poland. - The slowly increasing
capacity of the electrical industry in Poland reached the
production value of approx. 610' in 1939. The average
war destruction is estimated at 65%. Reconstruction was
planned to reach in 1946 27% of the production value
for 1939, in 1947 47%, in 1948 74%, in 1949 107%.
Long-term requirements are discussed: special privileges
to electrical industry, a joint policy of its production and
consumption branches, and increased educational
facilities.

A. S.

ASO ILLA METALLURGICAL LITERATURE CLASSIFICATION

OSTROWSKI, S.

Calculating the pipeline network on the basis of the measurement of direct pressure. p. 43.

GAZ, WODA I TECHNIKA SANITARNA, (Polskie Zrzeszenie Gazownikow, "Wodociasowcow i Technikow Sanitarnych) Warszawa. Vol. 30, no. 2, Feb. 1956.

SOURCE: East European Accessions List (EEAL), Library of Congress,
Vol. 5, no. 7, July 1956.

OSTRONSKI, J.

Calculation of pressure losses in a closed tube network with variable reservoirs. p.330.
(GZ. WOD. I TECHNICKI ZWIETRZ. Warszawa, "vol. 30", no. 3, Sept. 1961)

SO: Monthly List of East European Accesories (vol.) 16, Vol. 6, no. 3, Jan. 1962. Uncl.

OSTROWSKI, S.

"Quantitative determination of iron, zinc, and aluminum by sedimentation."

p. 59 (Chemia) No. 1, 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EIAI) LC. Vol. 7, no. 4,
April 1958

(A)

Use of chlorine in the analysis of pyrite. STANISLAW OBRECHOWSKI. Roczniki Chemii 12, 107-120(1938) in French (1938). The sample is decomposed by a stream of Cl₂ and the volatile products are caught in NaOH solution. The S is eventually weighed as Na₂S. A similar method was described by JANNASCH (Praktische Liebhafte der Metalle, 1937).

OSTROVSKI, J.

"Determining tin in preserved fish." p. 84 (Kozniki, Vol. 5, No. 1, 1954, Warsaw).

SO: Monthly List of East European Acquisitions, Library of Congress, Vol. 3, No. 6, June
1954, 'nel.

Poland/Chemical Technology. Chemical Products and Their Application -- Food Industry, I-28

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6709

Author: Borcwik, Jozef; Ostrowski, Stanislaw

Institution: State Foundation of Hygiene

Title: Changes in Sodium Nitrite Content of Nitrite Ice

Original
Publication: Roczn. Panstw. Zakl. hig., 1956, 7, No 1, 35-42

Abstract: On the basis of investigations of 40 samples of nitrite ice, prepared in the form of blocks measuring 54 x 27 x 8 cm, it was ascertained that the content of NaNO₂ within different parts of the block varies in the range of 0.5-187 mg% with an average content of 80 mg%. On melting of the crushed ice the predominant portion of NaNO₂ (58.3 mg%) is found in the first two fractions which constitute 28.7% of the melted ice. During storage over a period of 3 months of the ice blocks, approximately 50% of the initial content of NaNO₂ had undergone reduction.

Card 1/1

BOROWIK, Josef; OSTROWSKI, Stanislaw

Modification of sodium nitrite content in nitrite ice.
Bull. Inst. Marine Trop. M. Gdansk 7:p. 213-217; Russian
transl. p. 217-220; English transl. p. 220-223 1956.

1. Z Inst. Med Mors. w Gdansku-Gdyni i Mors. Stacji
Sanitarno-kwarantannowej w Gdyni.

(NITRITES,

changes of sodium nitrite content in nitrite ice
(Pol; Rus; English))

56-10000

POLAND / Chemical Technology. Chemical Products and Their
Application. Food Industry.

I-30

Abs Jour Ref Zhur - Khimija, No 3, 1957, No 10441

Author Borowik, J., Fischer, E., Ostrowski, S., and Trzesinski, P.
Inst Not given
Title Investigation of the Effect of Nitrite-Containing Ice on
the Preservation and Quality of Baltic Codfish.

Orig Pub Przem. spozyw., 1956, Vol 19, No 7, 282-~~283~~

Abstract Nitrite-containing ice prolongs the freshness of fish by
24-48 hrs, depending on the type of fish. The fish must be
cleaned and packed in ice as soon as they are caught. The
utilization of nitrite ice, containing on the average 0.1%
 NaNO_2 , in the proportion of 19 parts of ice to 100 parts of
fish at a temperature of $\sim 10^\circ$ results in a maximum NaNO_2
content in the fish which varies over a wide range, depen-

Card 1 2

POLAND , Chemical Technology. Chemical Products and Their
Application. Food Industry.

I-3C

Abs Jour : Rev. Zhur - Khimiya, No 3, 196 . No 10441

Abstract . depending on the amount of nitrite which penetrates from the
ice in the meat, the storage temperature, and the reduc-
tion of the NaNO₂.

Card : 2/2

OSIROWSKI, S.

ECOGRAPHY - ECOLOGY

PERIODICALS: A. T. Geographia Polonica. Vol. 6, no. 4, 1976

OSIROWSKI, S. The content of silicon in the water of the surface waters of the
Vistula River in the vicinity of Warsaw. (In Polish)

Monthly list of east European Journals (in Al) LC. Vol. 4, no. 4
Aug 1976, Poland.

OSTROWSKI, Stanislaw (Gdansk-Wrzeszcz)

Chemistry of sea water. Wszechswiat no.4:81-83 Ap '64.

OSTROWSKI, Stanislaw

Estimation of the quantity of dissolved solids in the Vistula
runoff. Acta geophys Pol 11 no.4:235-238'63.

OSTROWSKI, Stanislaw

Silicon content of the waters of Gdansk Bay. Acta geophys
pol 10 no.2:165-171 '62.

1. Stacja Morska, Zaklad Geofizyki, Polska Akademia Nauk, Sopot.

27 27 27
Sedimentic determination of iron, zinc, and aluminum
Stanislaw Osirowski (Politech. Krakow, Poland). Zes.
Pracy Inst. Politek. Krakow. Gospod. Czern. No. 2, 59-69 (1957)
(English summary).—Fe, Zn, and Al cations in concns. up to
1 mg./ml. were detd. by pptn. with 8-quinolinol and cen-
trifuging the suspensions. The errors amounted to 4.8,
0.3, and 0.2% resp. J. Stach

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OSTROWSKI, Stefan, dr inz.

Progress in developing biological methods of preventing soil erosion on mountainous slopes and on high slopes of engineering structures in Austria. Gosp wodna 25 no.2:67-71 F '65.

1. Forestry Research Institute, Warsaw.

URBANSKI, T.; HOFFMAN, W.; OSTROWSKI, T.; WITANOWSKI, M.

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1. Laboratory of organic synthesis, Polish Academy of Sciences.
Department of Organic Technology, Warsaw Technical University.
(Absorption spectra) (Spectrum, Infrared) (Carbonization)
(Cellulose)

Ostrowski, T.

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*Mechanism and prevention of stress-corrosion cracking of iron
and steel in the presence of nitrate. M. Smialewski, T. Ostrowski*

Experiments were made with wires of mild steel (95.9% Fe, 0.09%
C), of diam. 0.45 mm., under tension, at 87-99°, to investigate
the influence of O₂ in accelerating stress-corrosion cracking in
presence of nitrate, etc. Solutions used were: (i) Ca(NO₃)₂, H₂O
(500 g.) and NH₄NO₃ (30 g.) in water (1 l.), and (ii) 6% NH₄NO₃
solution. Solution (ii) produced cracking far more rapidly than
(i), under conditions of direct immersion or moistening for 10 min.
followed by immersion. Carbonyl iron wires (99.68% Fe, 0.03%
C) immersed in solution (ii) showed greater resistance to cracking,
but cracked sooner if first moistened. Cracking of moistened steel
wires occurred only in presence of atm. O₂ and was accelerated by
additional O₂. Fe monocrystals did not exhibit cracking, but
polycrystalline samples exhibited intercrysalline fissures. The cracking
was inhibited by straight-chain fatty acids, whose effectiveness
increased with increasing chain length.

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OSTROWSKI, T.

OSTROWSKI, T. Bleak culture as a side line in carp ponds. p. 21.
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Ostrowski W. **Physical Planning in Industry**
Planowanie przestrzenne przemyslu. Architektura No. 2. 1951.
pp. 64-65

Four cardinal problems of physical planning in industry. 1) Distribution of the industry over the country: investigations as of technico-economic problems and b) of problems concerning the localization of industry as an instrument of the socialist scheme for the economic and social reconstruction of the country. 2) Location of industries within a town: creation of industrial districts and units. Techno-economic factors. The problem of deleterious and nuisance.

(over)

effects of industry on the neighbourhood. 3) Industrial districts of socialist towns reflecting the changes in the evaluation of industry and of the industrial worker. The problem of making interrelated use of social and service facilities belonging to industries. The fixing of standards for the area of sites required for individual types of enterprises. Integration of petty industries. 4) Directives for the compilation of general plans for miscellaneous industrial enterprises as the basis for town planning. Experience and results of research work in the physical planning of industries in the USSR. Contemporary problem of physical planning of industry in Poland

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Reflections on the central courses for standardizers. p. 39
(Las Polski, Warszawa, Vol. 30, no. 9, Sept. 1940.)

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OSTROWSKI, W.

We are building a cultural center on the initiative of the village cooperative. p. 3; ROLNIK SPOLDZIELCA. (Centrala Rolnicza Spółdzielni "Samopomoc Chłopska") Warszawa; Vol. 8, no. 18, May 1955.

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Vol. 4, No. 12, December 1955.

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Ostrowski, Viktor, ed. Podrecznik kinooperatora. Warszawa, Film Polski
(c1949) 311 p. (Motion-picture operator's manual)

SO: Monthly list of East European Accessions, LC, Vol. 3, No. 1,
Jan. 1954, Uncl.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001238520007-3

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APPROVED FOR RELEASE: 06/15/2000

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OSTROWSKI, W.; MIKUCKI, A.

Self-registering absorptiometer for paper electrophoresis of serum proteins. Polski tygod. lek 7 no. 21:657-659 26 May 1952. (CLML 22:5)

1. Of the Institute of Physiological Chemistry (Head--Prof. B. Skarzynski, M. D.) of Krakow Medical Academy.

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Self-registering photoabsorptiometer for paper electrophoresis of serum proteins. Acta physiol. polon. 3 no. 3:277-294 1952. (CLML 23-5)

1. Of the Institute of Physiological Chemistry (Head--Prof. B. Skarsynski, M. D.) of Warsaw Medical Academy.

SKARZYNSKI, B.; OSTROWSKI, W.; SZCZEPKOWSKI, T.

Vitamine B in sulphur bacteria. Acta physiol. polon. 3 Suppl 3:
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1. Of the Institute of Physiological Chemistry (Head--Prof. B. Skarzynski, M.D.) of Krakow Medical Academy. 2. Thiobacillus thioparus and
Thiobacillus thiooxydans.

OSZACKI, J.; KOSTRZEWSKA, E.; OSTROWSKI, W.

Disorders of protein metabolism in surgical diseases. Przegl. lek.,
Krakow 8 no. 11:331-338 1952. (CLML 23:5)

1. Of the Institute of Medical Chemistry (Head--Prof. B. Skarzynski,
M. D.) of Krakow Medical Academy and of the Surgical Department (Head
--Prof. J. Jasieniak, M.D.) of the Hospital imienia G. Narutowicza,
Krakow.

OSTROWSKI, W.

POL.

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731.834

* Ostrowski, W. Localization and Planning of Industrial Areas.
"Lokalizacja i planowanie terenów przemysłowych". Warszawa,
1948, PWT, 180, 468 pp., 223 figs.

A supplement to the cycle of publications dealing with all problems involved in the planning of industrial enterprises. Part 1 reviews the principles of detailed localisation and planning of industrial areas, and the elements of planning the individual stages. Part 2 gives concise characteristics of 26 industrial enterprises selected according to the various requirements of space planning. Part 3 contains a summary and indices concerning certain problems connected with the localisation and planning of industrial enterprises.

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✓ Biochemical diagnosis of cancer. Wladimirz Ostrowski. *Postepy Biochem.*, 1, 88-97 (1957). The future possibility of detecting cancer through changes in blood chemistry and in the chemistry of cancerous cells is discussed. Present knowledge is insufficient for reliable tests.

J. Z. Roberts

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Estimate of resin yield, p. 18. (LAS POLSKI, Warszawa, Vol. 27, no. 3, Mar. 1933.)

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Vitamin B₁₂ in the protein fractions of human blood serum.
W. Ostrowski, E. Skarzynski, and Z. Zalewski. *Bull. Acad. Polon. Sci., Ser. Biolog.* 11, 2, 273-279 (1964).—Seren of human blood serum proteins by electric phoresis on paper and densit. of vitamin B₁₂ (I) microbiologically with *Daglana granis* after elution and splitting of vitamin-protein complexes showed that α_1 -globulins (II) contained over 80% of the bound I with the remainder distributed irregularly among the other fractions. About 7% of the total I occurred in the free state. *In vitro* addn. of I to serum did not result in specific binding to II. It is concluded that there is a specific combination of cyanocobalamin and protein appearing *in vivo* in the II, probably covering the physiologically active form of I.

J. A. Bain

OSTROWSKI, W.

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Electrophoretic separation of sugars and their derivatives.
B. Galos and W. Ostrowski (School Med., Cracow). Bull.
Acad. Polon. Nauk. Chem. 2, 61-5 (1954); cf. C.A. 44,
4874. —The electrophoretic sepn. of sugars as borate com-
plexes and the detn. of the mobility of pentoses, hexoses, and
uronic acids were applied to the analysis of oligo- and poly-
saccharides. Color was developed with Partridge's reagent
by spraying the strip of paper with 8% HCl and heating to
100°. Ketoses react with borate more easily than do aldo-
ses. All sugars migrate to the anode, glucosamine migrates
toward the cathode, and acetylglucosamine toward the
anode; pentoses and hexoses migrate more quickly than do
oligosaccharides. The mobilities of saccharides at 20° in
borate buffer of pH 8.0 on no. 4 Whatman paper are given.
This method makes possible the sepn. of pairs of sugars which
are not distinguished in chromatography because of very
similar R_f values.

Olej E. Baril

GOTTSCHEKI, WI

Microbiological methods for the assay of vitamins and amino acids. WI. Ostrowski (Zakl. Chemiczne, Bielsko, Krakow, Poland). *Acta Microbiologica Polonica*, 3, 35-46 (1954).—Microbiological techniques for the assay of thiamine (I), riboflavin (II), nicotinic acid (III), biotin (IV), pyridoxine (V), pyridoxal (VI), pyridoxamine (VII), pantothenic acid (VIII), *p*-aminobenzoic acid (IX), hoadol (X), folic acid (XI), and vitamin B₁₂ (XII) are described. The microorganisms are transferred from an agar slant into a liquid medium contg. yeast ext. and 0.6% glucose, and are incubated for 16-18 hrs. The assay medium is a synthetic chemically defined medium, sterilized at 0.7 atm. pressure for 10 min. One drop of the 16-18 hrs old culture is inoculated into the assay medium and incubated for 18-48 hrs. if the growth is detected by a nephelometric method or for 72-96 hrs. if the acidity of the medium is used for the detn. of bacterial growth. The extent of growth is compared with standard curves. The quant. results yielded by this method are as follows: 0.003-0.1 cf. I with *Lactobacillus fermentis*; 0.03-0.5 cf. II, *L. casei*; 0.03-0.5 cf. III, *L. plantarum*; 0.00002-0.001 cf. IV, *L. plantarum*; 1.0-50.0 cf. V, *Streptococcus faecalis*; 0.012-0.04 cf. VI, *L. casei*; 0.001-0.004 cf. VII, *S. faecalis*; 0.005-0.2 cf. VIII, *L. plantarum*; 0.001-0.003 cf. IX, *L. plantarum*; 0.01-1.0 cf. X, *Saccharomyces carlsbergensis*; 0.001-0.001 γ /ml. cf. XI, *Leuconostoc citrovorum*; and 10^{-12} - 10^{-13} g./ml. of XII, *Bacillus gracilis*.

Richard Burlich

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P.O.L.

The biochemistry of autotrophic sulfur bacteria. II. Vitamin B group in *Thiobacillus thioparus* and *T. thiooxydans*. W. Ostrowski, B. Skarzyński, and T. W. Haczewski (AFID, AGH, Kraków, Poland). *Acta Microbiol. Polon.* 3, 351-62 (1954); cf. ibid. 1, 93 (1953).—The vitamin-B content of *T. thioparus* and *T. thiooxydans* was determined microbiologically (O., ibid. 19, 1954). The 2 bacteria contained 0.31 and 0.23 γ thiamine, 0.31 and 0.70 γ riboflavin, 0.92 and 0.16 γ nicotinic acid, 7.69 and 0.44 milligramma biotin, 4.65 and 18.9 milligramma pteroylglutamic acid, 2.5 and 570.9 milligramma pantothenic acid, and 378 and 134 milligramma vitamin B₁₂, resp., all reckoned for 1 mg. bacterial N. After centrifugation of the bacterial culture the growth medium contained 0.0175 and 0.0095 milligramma biotin and 4.30 and 1.0 milligramma pteroylglutamic acid per 1 ml. medium, no vitamin B₁₂ or niacin. The number of vitamin B mols. in one bacterial cell calculated from the above values are: thiamine, 7100 and 11,400; riboflavin, 7300 and 18,800; nicotinic acid, 68,100 and 16,200; biotin, 250 and 350; pteroylglutamic acid, 90 and 560; and pantothenic acid, 100 and 31,500, resp. The coenzyme I content is 1.4 and 0.2, resp. I. Z. Rokita

OSTROWSKI, W.

✓ Separation of sugars and their derivatives by paper electrophoresis.
R. Galos and W. Ostrowski (*Acta biochim. polon.*, 1954/5, 1, 171—
184).—The separation is effected by use of borate complexes.
Sugars which have closely similar R_f chromatographically show
considerable differences in rate of electrophoretic movement. The
mobility of uronic acids was 1.5 x that of ketohexoses; that of
hexoses approx. double that of corresponding methyl-hexoses and
that of hexitols approx. half that of the corresponding sugars.
A. G. POLLARD

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BUNG.

Activity of adenosinetriphosphatase at the surface of
selected tumor cells. G. Arc, W. Ostrowski, and P. B.
Straub (Univ. Budapest). *Acta Physiol. Acad. Sci. Hung.*
6, 361-368 (1949).—Incubation of adenosine-
triphosphate (ATP) with intact cells or with the same amt. of
homogenized cells yields the same rate of P liberation. The
splitting enzyme is believed to be at the surface of the cells.

Peter Ernfeld

OSTROWSKI, Włodzimierz

BIERNACKA, Janina; OSTROWSKI, Włodzimierz; SEIDLER, Maksymilian;
SKARZYNSKI, Bolesław

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in eclampsia. Polski pygod. lek. 9 no.17:513-517 26 Apr 54.

1. Z oddziału ginekologicznego Szpitala im. Narutowicza, kierownik;
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(BLOOD PROTEINS, in various diseases,
eclampsia & pre-eclampsia)

(ECLAMPSIA, blood in,
proteins in eclampsia & pre-eclampsia)

DOCUMENT, M.

M. O. T. M. P., "Document concerning paper," Vladimovic Cherniak,
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vitamin B12 in biological structures. Acta biochim.polon.2
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1. Z Zakladu Chemii fizjologicznej AM w Krakowie. Kierownik:
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(VITAMIN B12, metabolism,
binding withproteins)
(PROTEINS,
binding of vitamin B12)

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Binding of vitamin B12 with proteins. III. Studies on
cyanocobalamin-protein complex (erythroglobulin)
in blood serum. Acta biochim. polon. 2 no.3:297-313 1955.

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binding of cyanocobalamin. (Pol))

(VITAMIN B12, derivatives,

cyanocoobalamine binding with blood proteins.(Pol))

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Vol. 9, no. 1, Jan. 1955
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Investigations on electrophoretic and polarographic changes of the blood serum. Polski tygod. lek. 10 no. 19:982-985 9 May '55.

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(BLOOD PROTEINS,
eff. of thiosemicarbazones in ther. of cutaneous tuberc)
(THIOSEMICARBAZONES, therapeutic use,
tuberc.,cutaneous, eff. on blood proteins.
(TUBERCULOSIS, CUTANEOUS, therapy,
thiosem carbazones, eff. on blood protein)

OSTROWSKI, Włodzimierz

Clinical application of paper electrophoresis of blood proteins.
Polskie arch. med. wewn. 25 no.1a:213-216 1955.

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B.Skarzynski.

(BLOOD PROTEINS, determination
electrophoresis, paper, clin application, simplified
method)

(ELECTROPHORESIS
of blood proteins in clin. application, simplified method)

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2 no.4:515-523 1956.

(VITAMIN B₁₂,
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✓ 447. Protein-vitamin B_{12} complexes. IV. Purification and properties of vitamin B_{12} -protein complex (erythroglobulin) in bovine blood serum. W. Ostrowski and A. Niewiarowska-Pawlus. *Acta Physiol. Polon.*, 1956, 3, 177-181. (Inst. physiol. Chem., Acad. Med., Kraków, Poland).—Bovine erythroglobulin was cont. 625 times and its physicochemical properties investigated, i.e., electrophoretic, mobility, antigenic properties and adsorption capacity on filter paper. Continued purification led to an intensification of the "globulin peak" in the electrophoretic patterns suggesting that it is the protein involved in the complex. Assuming a 1 : 1 vitamin B_{12} : protein ratio and a mol. wt. of 50,000 for the protein, the concn. of erythroglobulin in the serum appears to be 6.9×10^{-3} g. per 100 g. of serum. A simplified apparatus for continuous paper electrophoresis is described. (Polish)

A. K. GARIKESKI

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dr. B. Skarzynski.

(BLOOD PROTEINS,
complexes with vitamin B₁₂, molecular weight of (Pol))
(VITAMIN B₁₂, in blood,
complexes with proteins, molecular weight of (Pol))

KRAWCZYK, A.; OSTROWSKI, W.; SKARZYNISKI, B.

Polarographically active substances in blood serum. Acta
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B. Skarzynski.
(BLOOD PROTEINS, determination,
polarography (Pol))

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12/7 (213-223) Graphs 7 Tables 4 Illus. 5

In this paper are described the basic properties of radio-isotopes, the kinds of radiation, and the technique of measuring radioactivity. The application of radioactive and long-lived isotopes to the investigation of metabolism, the solution of medical problems, therapeutics, and the influence of ionizing radiation on living organisms are discussed.

Mikułowski - Cracow